

WHAT IS CLAIMED IS:

1. A corrosion protective lacquer for producing a corrosion protective coating for a braking surface of at least one of a brake disk and a brake drum, comprising:

a protective substance configured to react with oxygen.

2. The corrosion protective lacquer according to claim 1, wherein the protective substance includes at least one of a non-alkaline metal, a non-earth alkaline metal, an oxidizable metal combination, phosphate and phosphorous.

3. The corrosion protective lacquer according to claim 1, wherein the protective substance includes at least one of zinc, an oxidizable iron oxide, FeO, at least mostly elemental aluminum and at least mostly elemental aluminum in powder form.

4. The corrosion protective lacquer according to claim 1, wherein the protective substance is in a proportion of at least 30% by volume.

5. The corrosion protective lacquer according to claim 1, wherein the protective substance is in a proportion of at least 50% by volume.

6. The corrosion protective lacquer according to claim 1, wherein the protective substance is in a proportion of at least 70% by volume.

7. The corrosion protective lacquer according to claim 1, wherein a starting material of the corrosion protective lacquer includes one of a normal clear lacquer and a tinted lacquer.

8. The corrosion protective lacquer according to claim 1, wherein a starting material of the corrosion protective lacquer includes a low proportion of an organic solvent.

9. The corrosion protective lacquer according to claim 8, wherein the corrosion protective lacquer includes a water-based lacquer.

10. The corrosion protective lacquer according to claim 1, wherein the protective substance has an average grain size that is substantially equal to at least one of a maximum roughness and an average score mark size of the braking surface.

11. A corrosion protective coating for a braking surface of at least one of a brake disk and a brake drum, comprising:  
a lacquer including a protective substance that reacts with oxygen.

12. The corrosion protective coating according to claim 11, wherein the protective substance includes at least one of a non-alkaline metal, a non-earth alkaline metal, an oxidizable metal compound, phosphate and phosphorous.

13. The corrosion protective coating according to claim 11, wherein the protective substance includes at least one of zinc, oxidizable iron oxide, FeO, at least mostly elemental aluminum and at least mostly elemental aluminum in powder form.

14. The corrosion protective coating according to claim 11, wherein the protective substance in the corrosion protective coating has a proportion of at least 30% by volume.

15. The corrosion protective coating according to claim 11, wherein the protective substance in the corrosion protective coating has a proportion of at least 50% by volume.

16. The corrosion protective coating according to claim 11, wherein the protective substance in the corrosion protective coating has a proportion of at least 70% by volume.

17. The corrosion protective coating according to claim 11, wherein the protective substance has an average grain size substantially equal to at least one of a maximum roughness, an average pore diameter and an average score mark size of the braking surface.

18. A method for removing a corrosion protective coating from a braking surface of at least one of a brake disk and a brake drum, comprising the steps of:

adding a protective substance to a corrosion protective lacquer, the protective substance being configured to at least one of chemically react with oxygen in response to contact with oxygen and bind with oxygen in response to contact with oxygen;

applying the corrosion protective lacquer to the braking surface after the adding step;

converting the corrosion protective lacquer to form the corrosion protective coating; and

abrading the corrosion protective coating by an abrasive effect of a brake lining during braking, the abrading step including the substep of rubbing the protective substance into the braking surface.

19. The method according to claim 18, wherein the converting step includes the substep of hardening the corrosion protective lacquer.

20. The method according to claim 18, wherein the rubbing substep includes the substep of rubbing the protective substance into at least one of recesses, rough areas, pores and grooves of a friction surface of the brake disk.

21. The method according to claim 18, wherein the protective substance includes at least one of a non-alkaline metal, a non-earth alkaline metal, an oxidizable metal compound, phosphate and phosphorous.

22. The method according to claim 18, wherein the protective substance has an average grain size substantially equal to at least one of a maximum roughness, an average pore diameter and an average score mark size of the braking surface.

23. The method according to claim 18, further comprising the step of delivering the brake disk to a customer after the abrading step.

24. The method according to claim 18, further comprising the step of equipping a vehicle with the brake disk after the abrading step.

25. The method according to claim 18, further comprising the step of mounting the at least one of a brake disk and a brake drum on a vehicle before the abrading step.

26. The method according to claim 18, further comprising the step of mounting the at least one of a brake disk and a brake drum on a vehicle after the abrading step.